Eric Kearney
Software Engineer

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EDUCATION

Colorado State University   Jan. 2022 - Dec. 2025 (expected)
Master's of Science - Computer Science
Focus in Machine Learning and Data Science. GPA: 3.778

Metropolitan State University of Denver   Jan. 2017 - May 2019
Bachelor's of Science - Computer Science
Awarded by the department of Computer Science for "Exceptional accomplishments in Computer Science". GPA: 4.00

EXPERIENCE

Raytheon Technologies – Aurora, CO   Aug. 2019 - Present

Software Engineer II, Joint Polar Satellite System   Nov. 2021 - Jan. 2023
- Supported the File Transfer System by correcting bugs discovered by other engineers and end-users
- Successfully completed build close out while working on multiple parallel projects, and consistently pulled to provide operational support, resolve high-priority defects, and respond to direct client inquiries and requests
- Developed new features to streamline and simplify development process
- Reduced time to complete of background processes from days down to a couple hours

Scrum Master, HP Replacement of IBM Products   Mar. 2021 - Nov. 2021
- Organized small team during the process of migrating server infrastructure
- Ran quick and effective daily standups
- Efficiently eliminated blockers
- Transformed previously lagging team into top performer

Test Engineer, GPS-OCX   Aug. 2019 - Mar. 2021
- Wrote clean, low overhead unit and functional tests
- Revived dead scripts, and updated them to IEEE standards at the client's request, said scripts served as the basis for future client deliverables
- Processed reported issues and discrepancies into work orders
- Identified high priority issues and worked closely with leadership to help determine which engineer(s) would be best suited to individual tasks

PROJECTS

Investing Subreddit Analysis
- Created script to analyze the sentiment of thousands of comments from reddit.com to determine a subreddit's attitude towards a given company
- Assembled portfolios for each subreddit based on their sentiment, and analyzed and compared the performance of these portfolios to determine a 'winner'

Email De-anonymizer
- Used a publically available dataset of emails sent by upper management at Enron to train a model that reads an email and predicts which manager wrote that email
- Accuracy of about 80%

SKILLS

Python: NumPy, pandas, PyTorch, OpenCV, Flask, Django, PySpark, pylint, pytest, Jupyer
Java: Gradle, Groovy, JUnit, Cucumber
JavaScript: React
Scripting: Bash, Powershell
Big Data Tools: SQL (PostgreSQL, MySQL, SQLite, SQLalchemy), Spark, Hadoop
Development Tools: Linux (Debain/Ubuntu, Fedora/Red Hat), Git, AWS, Jenkins, Jira, Confluence